

Quantitative Determination of Urea and Melamine  
Formaldehyde Condensation Products, by G. Wiemer.

GERMAN, per, Kunststoffe, Vol XLVI, No 8, 19<sup>5</sup><sub>6</sub>,  
pp 359-362.

ASLIB-G339

Sci

Aug 59

93,531

Identification of Plastics and Resins as Well as  
Products Thereof by Their Infrared Spectra, by D  
Hummel, 19 pp.

GERMAN, per, Kunststoffe, Vol XLVI, No 1, 1956,  
pp 442-450.

ATS-67J180

Sci

Jul 59

92,678

63-14171

Leuchs, Ottmar.  
THE PLASTICIZATION OF POLYVINYL CHLORIDE.  
[1963] 16p. (figs. omitted) 33 refs.  
Order from SIA \$1.60

63-14171

Trans. of Kunststoffe (West Germany) 1956, v. 46,  
no. 12, p. 547-554.

DESCRIPTORS: \*Polyvinyl chloride, \*Plasticizers,  
Molecular structure, Polymers, Binders, Electrical  
properties.

The molecule of a plasticizer contains polar and non-  
polar groups. The amount ratio of polar to non-polar  
groups is decisive for the compatibility of the plasti-  
cizer in PVC. The polar groups serve as binders.  
Non-polar molecule components can be divided into  
polarisable (aromatic) and non-polarisable (aliphatic),  
whereby two opposite types of plasticizer can be dis-  
(Materials--Plastics, TT, v. 10, no. 3) (over)

Office of Technical Services

Urea-Formaldehyde Condensate as Glue and Binding  
Material in the Wood Processing Industry, by G.  
Egen.

GERMAN, per, Kunststoffe, Vol XLVI, 1956, p 55-58.

INSDOC-T104

Sci

Jul 59

92,709.10

The After-Treatment of Polyamide Mouldings, by  
B. Olsen.

GERMAN, per, Kunststoffe, Vol XLVI, No 3, 1956,  
pp 131-134.

T.I.L. T. 4678

Sci - Chemistry

36,927

Aug 1956

Measuring the Hardness of Plastics, by W. Gohl.

GERMAN, no par, Kunststoffe, Vol XLVI, No 4, 1956,  
pp 139-143.

T.I.L. T 4707

39,306

Sci - Engineering  
Sep 56 CTS

Determination of the Gas Permeability of Synthetic  
Folks According to the Principle of Change in  
Pressure and Volume Measurements, Part I. Accuracy  
of Measurement and Sensitivity.

GERMAN, per, Kunststoffe, Vol XLVI, 1956, pp 143-147.

ABC Tr 2637

Sci - Physics

40,176

... of Substance in Organic Formulating Materials,  
... ..

... .. per, Kunststoffe, Vol. XLVI, No 4, 1956,  
... ..

TIL Tr 4708

... ..  
... ..

57,204

Part I. Straight Through and Crosshead Dies for  
Tubing, by Gerhard Schenkel, 15 pp.

GERMAN, per, Kunststoffe, Vol XLVI, No 6, 1956,  
pp 176-180.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-391

58,561

Sci - Eng

Feb 58

IAC INTERNAL USE ONLY

Tubing from Low Pressure Polyethylene, by W.  
Richard and G. Friedrich.

GERMAN, per, Kunststoffe, Vol XLVI, 1956, pp  
183-190.

ASLIB-G857

Sci

71, 405

Aug 58

Part IX. Blow Extrusion and Wico-Sheet Dies;  
Dies for Multicolor Profiles, by Gerhard Schenkel,  
13 pp.

GERMAN, per, Kunststoffe, Vol XLVI, 1956, pp 221-226.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-392

Sci - Eng

Feb 58

IAC INTERNAL USE ONLY

58,562

The Cold Stretching of Low-Pressure  
Polyethylene, by K. Richard, E. Gaube, 22 pp.

GERMAN, per, Kunststoffe, Vol XLVI, 1956,  
pp 262-269.

CIA/FDD XI-252  
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chemistry  
Feb 1957 CTS/dex  
IAC INTERNAL USE ONLY

44, 195

Adhesion Studies Packaging Materials. Part I. Influence of Joint Thickness Upon Strength of Adhesion Sites, by W. Ebertusch, 13 pp.

GERMAN, per, <sup>u</sup>Kunststoffe, Vol XLVI, No 6, 1956, pp 274-280.

ST

ATB-48J190

Sci

Jul 59

92,674

Practical Experiences with Twin-Screw  
Extruders and their Utilization in Design,  
by K. Tanner.

GERMAN, per, Kunststoffe, Vol XLVI, No 9,  
Sep 1956, pp 429-438.

ASLIB-QE39

Sci

Aug 58

72,391

Hummel, Dieter.  
IDENTIFICATION OF PLASTIC MATERIALS,  
SYNTHETIC RESINS AND THEIR PRODUCTS BY  
MEANS OF THEIR INFRA-RED SPECTRA. [1963]  
14p. (figs. omitted) 33 refs.  
Order from SLA \$1.60      63-14168

Trans. of ~~Kunststoffe~~ (West Germany) 1956, v. 46,  
no. 10, p. 442-450.

DESCRIPTORS: \*Plastics, Materials, Identification,  
\*Infrared spectroscopy, \*Spectrum analyzers,  
\*Plastic paints.

The theoretical and practical limitations of IR  
spectroscopy are taken up a system for the infrared  
analysis of synthetic and paints is reported.

(Materials--Plastics, TT, v. 10, no. 2)

63-14168

I. Hummel, D.

Office of Technical Services

Study of Macromolecular Substances by Means of  
Osmotic Measurements, by H. Hellfritz, H. Kramer.

GERMAN, per, Kunststoffe, Vol XLVI, No 10, 1956,  
pp 450-459.

Assoc Tech Sv

44H130

\$28.15

52,249

Sci - Chem  
Sep 57

Properties of Vestolen, A Low Pressure Poly-  
ethylene Made by the Ziegler Process, by  
G. Wick, H. König, 14 pp.

GERMAN, per, Kunststoffe, Vol XLVI, 1956,  
pp 460-466.

NOT RELEASABLE TO FOREIGN NATIONALS

CIA/FDD XX-304

Sci - Chemistry

Jun 57

IAC INTERNAL USE ONLY

49,154

Bier, G. and Krämer, H.  
POLYMERIZATION OF VINYL CHLORIDE AND  
STRUCTURE OF POLYVINYL CHLORIDE. [1963] 9p.  
(tables figs. omitted) 20 refs.  
Order from SLA \$1.10

63-14170

Partial trans. (p. 498-501, 503-505 (excerpts))  
of Kunststoffe (West Germany) 1956, v. 46, no. 11,  
p. 498-505.

A trans. of section on Reduction PVC (p. 504-505) is  
available from SLA \$1.10 as 63-14176 [1963] 5p.

DESCRIPTORS: \*Polyvinyl chloride, Molecular  
structure, \*Vinyl chlorides, Polymerization, Vinyl  
radicals, Acetates, Osmotic pressure, Titration,  
\*Polyethylene plastics, \*Heat-resistant plastics.

## Contents:

End groups

End groups proceeding from additives

(Materials--Plastics, IT, v. 10, no. 4)

(over)

63-14170

I. Bier, G.  
II. Krämer, H.

Office of Technical Services

by Dr B. H. Von Daimler.

GERMAN, per, Kunststoffe, Vol XLVI, pp 508-514.

\*JPRS (for Picatinny Arsenal)

24/4/59

Dielectric Material Properties of Synthetics and Other  
Non-Conductors, by B. H. Dainler, Oberbruch, Bez. Aachen,  
26 pp.

GERMAN, per, Kunststoffe, Vol XLVI, No 11, 1956, pp 503-  
514.

FDD/X-3619

Sci  
Jul 59

Plasticizing of Polyvinyl Chloride, by O. Leuchs,  
30 pp. No 12,  
GERMAN, pub, Kunststoffe, Vol XLVI, 1956, pp 547-554.

CIA/FID XX-384  
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

Jan 58

IAC INTERNAL USE ONLY

57, 575

Polyvinyl Chloride Agglomerates. by O. Wick. H  
Konig

GERMAN. per Kunststoffe. Vol XLVI, No 12, Dec 1956,  
P 593 587

ASLIB-GB39

Sci

Jul 59

92,688

Formation of High Polymers by Metal Reinforce-  
ment of Polymeric Oil-Containing Film-Formers  
and Various Types of Synthetic Resins, by F.  
Schlenker, 16 pp.

GERMAN, per, Kunststoffe, Vol XLVII, 1957,  
pp 7-14.

ATS 45K200

AT 54-G-2

Sci - Chem

Feb 61

138,283

Testing of ~~Soft~~ Hard Foam Materials, Shearing  
Test. German Industrial Standards: DIN 53 422,  
4 pp.

GERMAN, per, Kunststoffe, Vol XLVII, 1957, pp 31, 32.

AEC SCL-T-322

Sci -- Chem  
9 Mar 61

141,563

Rotational Moulding of PVC Pastes, by H.  
Lambdortf.

GERMAN, per, Kunststoffe, Vol XLIX, No 1, 1957,  
pp 49-52.

ASLUB-6839

Sci  
Aug 58

70,823

Multi-Purpose Coating Machine, by H. Devant.

GERMAN, per, Kunststoffe, Vol XLVII, No 2, 1957,  
p 74.

ASLIB-0839

Sci  
Aug 58

*70, 757*

High-Molecular Ester Plasticizers, Classification Composition, Testing and Technological Properties, by Dr. K. Zohrer, Dr. A. Herz.

GERMAN, par, Kunststoffe, Vol XLVII, No 3, 1957, pp 102-113.

ASLIB-GB39

Sci  
Aug 58

70,832

Polyvinyl Chloride Acetate Plastisols and Organosols,  
by W. Hesse.

GERMAN, per, Kunststoffe, Vol XLVII, No 3, Mar 1957,  
pp 116-118.

ASLIB-0839

Sci 574 574 574

Sci

Aug 59

95,389

Exodur, by P. Schneider, A. Wunderer.

GERMAN, par, Kunststoffe, Vol. XLVII,  
No 4, 1957, pp 147-151.

CSIRO

Sci - Chem  
Jun 62

199,586

PVC Pastes and Their Anchoring to Metal Surfaces,  
by H. Koch, W. Sommer.

GERMAN, per, Kunststoffe, Vol XLVII, No 4, 1957,  
pp 153-156.

SLA 60-16837

S01

Dec 60

135,618

62-10603

I. Kalkhof-Rose  
II. Bauer

Kalkhof-Rose and Bauer.  
METHYLACRYLATE MOLDING COMPOUNDS FOR  
LARGE MOLDED PARTS. [1961] 8p. (3 figs. 2  
tables omitted).

Order from SLA \$1.10

62-10603

Trans. of Kunststoffe (West Germany) 1957, v. 47,  
no. 4, p. 156ff.

DESCRIPTORS: \*Acrylic resins, Gels. Physical  
properties, Plastics industry, Molding.

Starting from the known treatment of plastic mixtures  
of polymeric and monomeric methyl acrylate in  
dentistry, a technically interesting method has been  
developed, for obtaining storable molding compounds,  
and therefrom, molded parts, at low temperatures of  
about 50°C, and relatively short polymerization times  
of about 20 minutes. The use of redox systems  
(Materials--Plastics, TT, v. 8, no. 9) (over)

Office of Technical Services

62-14051

Nobis, Erich.  
CONCENTRATION-DEPENDENT PLASTICIZER VOL-  
ATILITY OF SOME PLASTICIZERS OUT OF PLAS-  
TICIZED POLYVINYL CHLORIDES. [1961] 9p.  
(4 figs. footnotes omitted).  
Order from SLA \$1.10

62-14051

Trans. of Kunststoffe (West Germany) 1957, v. 47  
[no. 4] p. 180-182.

DESCRIPTORS: \*Vinyl chlorides, Polymers, \*Plas-  
ticizers, Mixtures, Phase studies.

A method is described for testing the plasticizer vol-  
atility in PVC mixtures in relation to the plasticizer  
concentration, and for differentiating between even  
very similar plasticizers. Differences appear at var-  
ious stages in the preparation, leading to the conclu-  
sion that an equilibrium is set up between the PVC  
phase and the plasticizer. (Author)  
(Materials-Plastic, TT, v. 8, no. 3)

E. Nobis, E.

Office of Technical Services

Extrusion of Methacrylates, by E. Friederich.

GERMAN, per, Kunststoffe, Vol XLVIII, 1957,  
pp 218-223.

CSIRO

Sci - Chem  
May 62

196, 407

Practical Methods for Processing Products  
from Low-Pressure Polyethylene, by E.  
Rottner, 8 pp.

GERMAN, per, Kunststoffe, Vol XLVII, No 4,  
1957, pp 227-231.

Assoc Tech Serv-32J18G

Sci

Aug 58

72,442

Determination of Thermal-Conductivity Values of  
Plastics, by O. Henning.

~~Handbook~~, per, Kunststoffe, Vol IV, 1957,  
pp 265-268.

AEC-SC-T-64-1641

Sci - Phys

Aug 65

267,332

Recent Experiences on Frictional Properties  
of Polyamides. Part I, by H. R. Jacobi, 12  
pp.

GEISMAN, per, Kunststoffe, Vol XLVII, No 5, 1957,  
pp 234-239.

Assoc Tech Serv-3LJ18R

Sci

Aug 58

72,489

63-14175

Wick, Georg and König, Helmut.  
VESTOLIT S: A SUSPENSION-PVC. 16 July 57, 5p.  
(figs. tables omitted) 7 refs.  
Order from SLA \$1.10

63-14175

Trans. of Kunststoffe (West Germany) 1957, v. 47,  
no. 6, p. 299-302.

DESCRIPTORS: \*Polyvinyl chloride, Colloids, Polymerization, Mechanical properties.

Vestolite S is a suspension PVC of many uses. It supplements the emulsion types predominating until now in Germany and makes possible the drawing in of more fields of use to the PVC area. While the higher degrees of polymerization with K values between 70 and 80 are for the most part reserved to processing with plasticizers, material of average K values between 50 and 65 are suitable for processing without plasticizer, so that they present new possibilities and variations in the production of pipes, foils and flatware. (Author)

1. Title: Vestolit S  
I. Wick, G.  
II. König, H.

(Materials--Plastics, TT,  
v. 10, no. 2)  
Office of Technical Services

Structure Investigations of Diacetyls and Other  
Polymeric Acroleins, by Rolf C. Schuler, 31 pp.

GERMAN, per, Kunststoffe, Vol XLVII, No 6, 1957,  
pp 303-312.

SLA 59-15697

Sci  
Dec 59  
Vol 2, No 4

103,125

61-16336

Schulz, Rolf C.  
INVESTIGATIONS ON THE STRUCTURE OF DIAC-  
RYL AND OTHER POLYMERIC ACROLEINS, 5.  
[Paper] presented in extract form at the Macromolecu-  
lar Colloquium [held at] Freiburg, 8 Mar 57; Inaugural  
Dissertation, Mainz U. (West Germany). [1961] 33p.  
36 refs.  
Order from SLA \$3.60

Trans. of Kunststoffe (West Germany) 1957, v. 47,  
no. 6, p. 303-312.  
Another translation is available from SLA ml\$3.00,  
pb\$6.30 as 59-13697 [1959] 31p.

DESCRIPTORS: \*Acroleins, Polymers

For abstract see Technical Translations 2: 272, 1959.

(Materials--Plastics, TT, v. 6, no. 5)

I. Schulz, R. C.  
II. Title: Macromolecular...  
III. Mainz U. (West Germany)

180469

Office of Technical Services

63-14177

Scheurlen, H. A.  
METHODS FOR THE PRODUCTION OF FOAM  
MATERIALS WITH SPECIAL CONSIDERATION OF  
LEAVENING AGENTS. [1963] 25p. (figs. omitted)  
58 refs.  
Order from SLA \$2.60

63-14177

Trans. of reprint from Kunststoffe (West Germany)  
1957, v. 47, no. 8, p. 446-455.

DESCRIPTORS: Production, \*Foams, \*Foam rubber,  
\*Expanded plastics, Gases, \*Plastics, Rubber.

The importance of leavening agents for the production of  
foam materials is briefly sketched by a survey of today's  
foaming methods. The need exists of being able to put  
in foaming agents which are as universal as possible,  
that is, usable through a wide temperature range and  
for the greatest possible number of plastics. Some  
methods, which make possible an extensive influencing  
of the qualities of a leavening agent, are here described.  
(Author)

1. Title: Leavening agents
1. Scheurlen, H. A.

(Materials--Plastics, TT,  
v. 10, no. 3)  
Office of Technical Services

Vortex-Sintering Developments and Recent Discoveries,  
by H. Gerner. UNCLASSIFIED

GERMAN, pwr, Kunststoffe, Vol XLVII, No 8, 1957,  
pp 510-512.

TIL Tr 4856

Sci - Phys (1)  
Jun 58

64,493

Jordon, Otto.  
PRACTICES IN BONDING THE NEWER PLASTICS.  
[1961] 14p.  
Order from SLA \$1.60

62-10599

62-10599

1. Jordon, O.

Trans. of Kunststoffe (West Germany) 1957, v. 47  
[no. 8] p. 521-524.

DESCRIPTORS: \*Plastics, \*Bonding, Amides,  
Urethanes, Polymers.

It is shown how and within what limits it is possible to  
get usable adhesive bonds with polyamides and poly-  
urethanes. Methods are discussed for making poly-  
fluorocarbon adherable. Likewise the possibilities  
with polyisobutylene rubber are treated. Finally the bonding  
of polycarbonates and of terephthalic acid polyesters,  
and of polyacrylonitrile and of tempered plastics are  
mentioned and several problems of bonding different  
plastics with each other and with other materials are  
touched on. (Author)

(Materials: Plastics, TT, v. 7, no. 11)

Office of Technical Services

Process for Recording Changes in the  
Flexibility of Plastic Films With Tempera-  
ture, by W. Vogt.

GERMAN, par, Kunststoffe, Vol XLVII,  
1957, pp 533-536.

CSIRO

199,646

Sci - Phys  
May 62

Direct-Current Measurements of Technical (Plasticized) and Pure (Unplasticized) Polymers, by  
Jung-Helmrich Kallweit, 10 pp.

GERMAN, per, Kunststoffe, Vol XLVII, No 11,  
1957, pp 651-655. CIA 643483

Picatinny Arsenal 24  
OTIA 2415

Sci - Chem

Mar 59

83,430

Rysavy, D.  
PROPERTIES OF THE PASTE-FORMING SORTS OF  
PVC. [1963] 10p. 19 refs.  
Order from SLA \$1.10

63-14178

Trans. of Kunststoffe (West Germany) 1957, v. 47,  
no. 12, p. 689-689.

DESCRIPTORS: \*Polyvinyl chloride, Particles,  
Plasticizers, Colloids, Polymerization, Mechanical  
properties.

Resistance of various kinds of PVC to the dissolving  
effect of plasticizer was studied. From the measure-  
ments made it was found that the one decisive factor  
for the dissolving speed of PVC (when the K value lies  
in the range of from 65 to 80) is the amount of contact  
surface between PVC and plasticizer, which is deter-  
mined by the physical structure of the PVC particles.  
(Materials--Plastics, TT, v. 10, no. 3) (over)

63-14178

1. Title: Pastes
1. Rysavy, D.

Office of Technical Services

Rysavy, D.  
PRODUCTION OF PASTE-FORMING TYPES OF PVC  
IN ATOMIZING EQUIPMENT. [1963] op. (figs.  
omitted) 11 refs.  
Order from SLA \$1.10

63-14179

Trans. of Kunststoffe (West Germany) 1958, v. 48,  
no. 3, p. 106-110.

DESCRIPTORS: \*Polyvinyl chloride, Production,  
Atomization, Industrial equipment, Colloids, Driers  
(Apparatus), Polymerization, Quality control.

A discussion of the method of preparing paste-form-  
ing PVC by drying of the latex won by emulsion poly-  
merization in an atomizer dryer. Detailed considera-  
tion is given to the conditions of preparation which  
ensure a product of the desired qualities, and to the  
reasons which cause the variations in quality of these  
products.

(Materials--Plastics, TT, v. 10, no. 3)

63-14179

1. Title: Pastes  
1. Rysavy, D.

Office of Technical Services

ANALYSIS OF POLYESTERS by Paper Chromatography,  
by I. ARENDE, H. J. SCHENCK, 6 pp.

QUEEN, per, Kunststoffe, Vol XLVIII, No 3,  
1958, pp 111-113.

SLA 60-16884

Sci  
26 May 62  
Vol IV, No 8

198, 255

Chemical EDC by the High-Pressure Gas Laboratory  
by H. Lindemann.

GERMANY, CHEM. ABSTRACTS, VOL. XLIX, NO. 3, 1952,  
pp 394-399.

C.S.I.N.O.

Sci

May 60

116,149

Synthetic Resins for Plastic Reinforced  
by Glass Fibre, by H. Sauer.

GERMAN, per, Kunststoffe, Vol XLVIII,  
No 5, 1958, pp 205-212.

CSIRO

Sci - Phys  
Jul 62

204,909

Kuhn, Walter.  
POLYETHYLENE: ITS PRETREATMENT AND  
PRINTABILITY. [1961] 18p. (12 figs. omitted) 4 refs.  
Order from SLA \$1.60

62-10519

Trans. of Kunststoffe (West Germany) 1958, v. 48,  
no. 6, p. 242-249.

DESCRIPTORS: \*Packaging, Materials, Plastics,  
\*Polymers, \*Ethylenes, Processing, Physical  
properties, \*Printing.

(Materials--Plastics, TT, v. 7, no. 10)

62-10519

1. Kuhn, W.

Office of Technical Services

The Physical Properties of Monomeric Acrolein and  
Several Polyacroleins, by R. O. Schulz,

GERMAN, par, Kunststoffe, Vol XLVIII, No 6, 1968,  
pp 257-261.

ATB 344-GJ

~~ATB 344-GJ~~

Sci - Chem

Aug 60

123,329

Physiological Evaluation of Plastic Products in the  
United States of America, by D. D. McCollister,  
W. J. Sauber, 10 pp.

GERMAN, per, Kunststoffe, Vol XLVIII, No 7, 1958,  
pp 350-352.

SLA 59-15530

Sci  
Dec 59  
Vol 2, No 4

103,130

Polypropylene, by Bier, Gerhard. 29 pp.

GERMAN, Far, Kunststoffe, 1958, Vol XLVIII, No 8,  
pp 354-362.

SLA 59-15592  
59-15005

Sci  
Oct 59  
Vol 2, No 3

99,882

Baumann, H.  
PROPERTIES OF FOAMED COLD-SETTING UREA-  
FORMALDEHYDE RESINS. [1963] 16p (figs. tables  
omitted)  
Order from SLA \$1.60

63-18526

Trans. of Kunststoffe (West Germany) 1958 [v. 48]  
no. 8 [p. 362-364] and no. 9 [p. 406-408].

DESCRIPTORS: \*Urea-formaldehyde resins, \*Amino  
plastics, \*Expanded plastics, Physical properties,  
Chemical properties, Mechanical properties.

Tests were made on the following properties: shrinkage;  
resistance to cold, heat, aging, chemicals, vibration,  
fungi, and other materials; formation of condensation;  
thermal conductivity; thermal conductivity; water ab-  
sorption; flammability; sound absorption; and trans-  
mittance of rays. The test methods were aimed mainly  
at requirements which exist in practical use. On the  
(Materials--Plastics, TT, v. 10, no. 11) (over)

63-18526

I. Baumann, H.

Office of Technical Services

Brandenburger, Kurt.  
SELF-ADAPTING TOOL IN HIGH FREQUENCY  
WELDING. [1961] 7p. (5 figs. omitted).  
Order from SLA \$1.10

62-10057

Trans. of Kunststoffe (West Germany) 1958, v. 48,  
no. 8, p. 391-393.

DESCRIPTORS: \*Machine tools, Plastics, Sheets,  
High frequency, \*Welding rods, \*Electric welding,  
Electrodes.

Machinery--

(Manufacturing, TT, v. 7, no. 9)

62-10057

I. Brandenburger, K.

Office of Technical Services

62-10372

Goldschmidt, H.  
THE USE OF ABRASIVE PAPERS AND FABRICS IN  
PLASTICS. [1961] 3p. (2 figs. omitted).  
Order from SLA \$1.10

62-10372

Trans. of Kunststoffe (West Germany) 1958, v. 48  
[no. 8] p. 393.

DESCRIPTORS: \*Plastics. \*Abrasives. Grinding  
wheels.

Experiences are reported in which plastics were  
ground with abrasive paper or fabrics. In abrading  
plastics, there is a distinction between duroplastic  
and thermoplastic. The former is usually polished  
dry, the latter wet. (Author)

(Materials-Plastics, TT v. 7, no. 9)

I. Goldschmidt, H.

Office of Technical Services

Chemical Engineering, by E. E. Egan, et al.

Chemical, part, Keweenaw, Vol 2, No 1, Sep 59,  
pp 398-402.

RIS Rept 61045

Chemical Engineering

Sci - Chem  
Sep 59  
Vol 2, No 1

97,895

Bonding of Hard p.v.c. Sheets With Chipboard  
and Fibreboard, by C. Kubitzky.  
GERMAN, per, Kunststoffe-Praxis, Vol XLVIII,  
No 11, 1958.  
CSR Co

XXEur - Germany  
Econ  
Jun 64

261,268

63-14181

Mienes, Karl.

PERFECTING MATERIALS AND TECHNIQUES IN THE HIGH-POLYMER FIELD. From a lecture at the Symposium on Macromolecular Materials of the Swiss Chemical Society, Zurich, 11 Oct 58. [1963] 12p. (figs. omitted) 16 refs.

Order from SLA \$1.60

63-14181

Trans. of Kunststoffe (West Germany) 1958, v. 48, no. 11, p. 499-504.

DESCRIPTORS: \*Plastics industry, \*Thermoplastics, Elastomers, Polymers, Material forming, Mixtures, Polymerization, \*Expanded plastics.

The plastics industry is increasingly preoccupied with adapting high-polymer qualities to technical procedures and the requirements of practical use. This report presents examples of new developments and discusses processes adapted to the peculiarities of the improved products. (Author)

I. Mienes, K.

II. Title: Symposium ...

(Materials--Plastics, TT, v. 10, no. 2)

Office of Technical Services

The Measurement of the Melting Point or of the  
Flow Temperature of Polymers with a Melting Point  
Autograph, by K. Uberreiter, H. J. Orthmann, 16 p.

GERMAN, per, Kunststoffe, 1958, Vol XLVIII, No 11,  
pp 525-530.

SLA 59-20289

Sci  
Feb 64  
Vol 2, No 12

108,255

Effect of different factors on the curing of  
polyestered Polyesters at Elevated Temperatures  
in Toluene, S. Bernilsson, 13 pp.

GEFPAK, ser. Kunststoffe, Vol XLVI, No 2, 1974,  
pp 944.

AMS 7013CG

AMS 7013CG  
SLR 60-10110

Oct - 1974

Sep 94

Vol 2, No 2

97993

New Soviet Process for Synthesis of Polymers;  
Polyrecombination, by N. Ulbrich, 4 pp. USSR

GERMAN, per, Monastorffe, No 1, 1959, pp 23, 24.

ASTC MCL-319/V

12 APR 1960

Sol - Chem

Apr 60

112,935

63-14183

Frey, Hans-Helmut.  
HOSTALIT Z, A NEW PLASTIC BASED ON PVC.  
[1963] 18p. (fig. omitted) 9 refs.  
Order from SLA \$1.60

63-14183

Trans. of Kunststoffe (West Germany) 1959, v. 49,  
no. 2, p. 50-55.

DESCRIPTORS: \*Polyvinyl chloride, Polymerization,  
Mechanical properties, Plasticizers.

A new plastic-polyblend of PVC and chlorinated  
polyolefin is reported. According to procedure there  
is obtained hard, shock-resistant to soft, flexible  
product. The mechanical, thermic and electrical  
properties, their chemical and solvent resistance,  
and also the processing methods are described with  
special reference to the manifold possibilities of  
modification and fields of application. (Author)  
(Materials--Plastics, TT, v. 10, no. 3)

1. Title: Hostalit Z  
1. Frey, H.-H.

Office of Technical Services

61-20976

Niklas, H. and Eiffländer, K.  
LONG-TERM BEHAVIOR OF POLYETHYLENE AND  
POLYVINYLCHLORIDE PIPES (Zeitstandverhalten von  
Rohren aus Polyäthylen u Polyvinylchlorid). [1961]  
[18]p. 4 refs.  
Order from SLA \$1.60                      61-20976

I. Niklas, H.  
II. Eiffländer, K.

Trans. of Kynatstoffe (West Germany) 1959, v. 49,  
no. 3, p. 109-113.

DESCRIPTORS: Polymers, \*Ethylenes, \*Vinyl chlo-  
rides, \*Pipes, \*Plastic tubing, Elasticity, Plasticity,  
Deformation, Stresses, Fracture (Mechanics), Life  
expectancy.

When thermoplastic materials are exposed to long-  
term stress the elongation increase with time is pro-  
portional to the stress only at very low stresses.  
Higher stresses cause a different behavior of elastic  
(Materials--Plastics, TT, v. 7, no. 6)                      (over)

Office of Technical Services

TT-65-11966

Field 13H

Mange, E. O. A.  
OUTPUT IMPROVING RULE- AND CONTROL-  
MEASURES IN THE WORK OF EXTRUDERS. 6p.  
order from SLA: \$1.10 as TT-65-11966

Trans. of Kunststoffe (West Germany) v49 n4 p166-8 1959.

TT-65-11966

I. Mange, E. O. A.

MR 622

63-14184

Pachy, O., and Frey, H. H.  
EFFECT OF LOW CONCENTRATIONS OF PLASTICIZER IN VINYL CHLORIDE POLYMERS, Presented to the Expanded Macromolecular Colloquium, Freiburg, 6-8 Mar 58. [1963] [11]p. (figs. omitted) 8 refs.  
Order from SLA \$1.60 63-14184

Trans. of Kunststoffe (West Germany) 1959, v. 49, no. 5, p. 213-216.

DESCRIPTORS: Polymers, \*Polyvinyl chloride, \*Plasticizers, Vinyl radicals, Chlorides, Mechanical properties, Molecular structure.

The brittling effect occurring in PVC and vinyl chloride mixed polymers with low plasticizer concentrations is explained by the assumption that the plasticizer molecule in low concentrations causes, by solvation, above all, a stretching of the macromolecules.  
(Biological Sciences--Pharmacology, TT, v. 10, no. 3)  
(over)

I. F. 2. 1. 1.  
II. 1. 1. 1. 1. 1.  
III. 1. 1. 1. 1. 1.

Office of Technical Services

Paper Chromatographic Analysis of Acids in  
Polyesters, by P. Fijolka, R. Kayler, I. Lenz,  
11 pp.

GERMAN, per, Kunststoffe, Vol XLIX, No 5, 1959,  
pp 222-225.

SLA 60-18787

Sci

Apr 61

OTS, Vol V, No 1

145,177

Solution Viscosity Measurements of Commercial  
Polyolefins; A Proposal for a Standard,  
by Hermann, Wesalan, 5 pp.

GERMAN, per, Kunststoffe, Vol XLIX, No 5,  
1959, pp 230-231.

OTS 60-16498

Sci  
Mar 68  
Vol 4, No 4

187,756

Stretching and Shrinkage of PVC Film, by  
H. Haldenwanger.

GERMAN, per, Kunststoffe, Vol XLIX, No 6,  
1959, pp 270-274.

CSIRO

Sci - Phys  
Aug 62

207,326

Analysis of Polyesters by Paper Chromatography, by I. Arendt, H. J. Schenck, 4 pp.

GERMAN, per, Kunststoffe, Vol XLIX,  
No 7, 1959, pp 321-322.

SLA 60-16870

Sci  
Vol IV, No 7  
Apr 62

192,622

Theory of Gas Permeability of Plastic Foils, by  
H. Buchner, 18 pp.

GERMAN, per, ~~Ma~~ Kunststoffe, Vol XLIX, 1959,  
pp 401-406.

AEC Tr-4309

Sci - Phys  
24 Feb 61

SLR 50-60574, 073

Theory of the Permeability of Plastic Film to  
Gases, by N. Buchner.  
GERMAN, per, Kunststoffe, Vol XLIX, No 8,  
1959, pp 401-406.  
AEC-ICL-Tr-259

Sci-Phys  
Jul 65

282,2613

Kaun, Fritz.  
SEWING OF CANVAS (Nähen von Planenstoffen). [1962]  
[6]p. (illeg. omited).  
Order from SLA \$1.10

63-15587

Trans. of Kunststoffe (West Germany) 1959, v. 49,  
no. 8, p. 431-432.

DESCRIPTION: Textiles, Machines, Manufacturing  
methods.

63-15587

1. title. Canvas  
I. Kaun, F.

Wick, Georg and Reiner, Gerhard.  
A NEW PVC FOR PLASTISOLS. VESTOLITE 1000  
(1967) 7p. illus. refs. omitted.  
Order from I.A.A. \$1.00

Trans. of Kunststoffe (West Germany) 1966, vol. 9, p. 435-436.

DESCRIPTORS: \*Polyvinyl chloride, Copolymers  
Processing, Viscosity, Hardness, Mechanical Properties  
Plastics.

(A-14-10)

Vinyl Ventione  
Zinc Paste  
Wick, G.  
Reiner, G.

Theory of Gas Permeability of Plastic Foils, by  
H. Buchner, 18 pp.

GERMAN, per, ~~ist~~ Kunststoffe, Vol XLIX, 1959,  
pp 401-406.

AEC Tr-4309

Sci - Phys  
24 Feb 61

Sci - 100-4544,073

Theory of the Permeability of Plastic Film to  
Gases, by N. Buchner.  
GERMANY, per, Kunststoffe, Vol XLIX, No 8,  
1959, pp 401-406.  
AEC-SCL-Tr-259

Sci-Phys  
Jul 65

282,1613

Kaun, Fritz.  
SEWING OF CANVAS (Nähen von Planenstoffen). [1962]  
[6]p. (figs. omitted).  
Order from SLA \$1.10

62-15557

Trans. of Kunststoffe (West Germany) 1959, v. 49,  
no. 8, p. 430-432.

DESCRIPTORS: \*Textiles, Machines, Manufacturing  
methods.

(Materials--Textiles, TT, v. 9, no. 10)

62-15557

1. Textiles  
1. Plan, 1.

Office of Technical Services

Lübbert, Wolfgang.  
BONDING OF CANVAS (Kleben von Planenstoffen).  
[1962] [16]p.  
Order from SLA \$1.60

63-15582

Trans. of Kunststoffe (West Germany) 1959, v. 49,  
no. 8, p. 432-434.

DESCRIPTORS: \*Textiles, \*Bonding, Adhesives,  
Moistureproofing, Mechanical properties, Fibers  
(Synthetic), Plastic coatings.

Synthetically coated canvas is bonded with elastic  
synthetic adhesives. Examples of suitable raw  
material bases are given of which acrylic rubber and  
polychlorene butadienes are most important. The  
adhesives obtained sometimes surpass the strength of  
the basic material. Numerical tables concerning  
tensile strength of bondings with respect to temper-  
ature as well as data concerning comparable water  
vapor resistance of unbonded and bonded films and  
canvas are given. (Author)

63-15582

1. Title: Canvas
1. Lübbert, W.

(Submitted for filing  
in the  
Office of Technical Services)

Wick, Georg and Weber, Gerhard.  
A NEW PVC FOR PLASTISOLS: VESTOLITE SB 70.  
[1968] 7p. (figs. refs. omitted).  
Order from SLA \$1.10

63-14185

Trans. of Kunststoffe (West Germany) 1959, v. 40,  
no. 9, p. 455-458.

DESCRIPTORS: \*Polyvinyl chloride, Colloids,  
Processing, Viscosity, Hardness, Tensile properties,  
Plastics.

Vestolite SB 70 is a new kind of PVC, ideally suited  
to pastes. In comparison with the ordinary kinds  
heretofore, it is distinguished by a smaller content  
in emulsifier, less water sensitivity and lower  
viscosity in paste. The properties of this material  
and its processing methods are discussed. (Author)

(Materials--Plastics, TIT, v. 10, no. 9)

63-14185

1. Title: Vestolite
2. Title: Paste
- I. Wick, G.
- II. Weber, G.

Office of Technical Services

<p>Hopff, Heinrich. THE TECHNIQUE OF POLYMERIZATION. [1960] 22p. Order from S.L.A ml\$2.70, ph\$4.80 60-1843</p> <p>Trans. of Kunststoffe (West Germany) 1959, v. 49, no. 10, p. 494-500.</p> <p>143,037</p>	<p>60-18433</p> <p>1. Polymerization- Analysis 1. Hopff, H.</p>
<p>(Chemistry--Organic, TT, v. 5, no. 3)</p>	<p>Office of Technical Services</p>

Model Apparatus for the Continuous Preparation of  
Polyethylene Using Ziegler Mixed Catalysts, by  
Siegfried Sommer, Siegfried Wagener, Helmut  
Ebner, 7 pp.

GERMAN, per, Kunststoffe, Vol XLIX, No 10,  
1959, pp 500-502. 959500

SIA 60-14545

sci

Apr 61

OTS, Vol III, No 12

163,280

Eberbach, Hans-Walter and Michl, Karl-Heinz.  
INTERNALLY PLASTICIZED POLYVINYL CHLORIDE:  
CONTRIBUTION TO THE PROBLEM OF THE SHOCK  
RESISTANT PVC. [1964] 13p  
Order from K-H \$7.80

K-H-12798

Trans. of Kunststoffe (West Germany) 1959, v. 49  
[no. 10] p. 315-316.  
Another trans. is available from SLA \$1.60 as  
TT-63-14186 [1963] 11p.

(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12841

- I. Eberbach, H. -W.
- II. Michl, K. -H.
- III. Title: Contribution...
- IV. K-H-12798
- V. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

[illegible]

(Materials - Plans - ) - 10, 000, 000

2022-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-105

### 30th of September 2000

(Ottawa: C-2000, FC, v. 3 no. 3)

Eberbach, Huns-Walter and Misch, Karl-Heinz.  
INTERNALLY PLASTICIZED POLYVINYL CHLORIDE:  
CONTRIBUTION TO THE PROBLEM OF THE SHOCK  
RESISTANT PVC. [1964] 13p  
Order from K-H \$7.80

K-H-12798

Trans. of Kunststoffe (West Germany) 1959, v. 49  
[no. 10] p. 513-514.  
Another trans. is available from SLA \$1.60 as  
TT-63-14186 [1968] 11p.

(Materials--Plastics, TT, v. 11, no. 11)

TT-64-12841

- I. Eberbach, M. -W.
- II. Misch, K. -H.
- III. Title Contribution ...
- IV. K-H-12798
- V. Kraus-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

24  
Low Pressure Polystyrene Pipe for Drinking Water,  
by K. Richard, E. Gaube, G. Diedrich, 31 pp.

GERMAN, ~~Int~~, Kunststoffe, Vol XLIX, No 10, Oct  
1959, pp 516-525.

Dept of ~~State~~ Commerce  
Dr Henry Birnbaum  
Natl Bur of Standards

Sci - ~~Eng~~  
Mar 60

110,429

Making Plastic Processing More Economical by  
Combining Operations, by R. Fritsch, G. Fehr.

GERMAN, per, Kunststoffe, Vol XLIX, No 10, 1959,  
pp 543-546.

ATB 340-GJ

HIC-001, 112

Sci - Chem

Aug 60

123,326

63-14187

Richard, K., Gaube, E., and Diedrich, G.  
TIME RESISTANCE OF PLASTIC PIPE: PVC AND  
ZIEGLER POLYETHYLENE AS RAW MATERIALS.  
[1963] 14p. (figs. omitted) 6 refs.  
Order from SLA \$1.60

63-14187

Trans. of Kunststoffe (West Germany) 1959, v. 49,  
no. 11, p. 616-621.

DESCRIPTORS: \*Plastic tubing, \*Pipes, \*Polyvinyl  
chloride, \*Polyethylene plastics, Thermoplastics,  
Stresses, Time, Tolerances (Mechanics), \*Ziegler  
catalysts, Ziegler catalysts.

In thermoplastic materials, which are to be mechani-  
cally stressed for long periods, cold flow reduces the  
stress capacity to a fraction of the short-term strength.  
Pressure pipe must therefore be designed with stress  
characteristics which are valid also for long periods of  
(Materials-Plastics, TT, v. 10, no. 5) (over)

I. Richard, K.  
II. Gaube, E.  
III. Diedrich, G.  
IV. Title: PVC...

Office of Technical Services

Mechanically Strengthened Films of Low Pressure Polyolefins; Characteristics and Problems of Orienting and Testing, by K. Richard, D. Diedrich, et al, 18 pp.

GERMAN, per, Kunststoffe, Vol XLIX, No 12, 1959, pp 671-678.

SLA 60-14535

Sci

Apr 61

OES, Vol III, No 12

163,278

62-10571

Kreiss, Manfred.

ON THE INFLUENCE OF FILLERS ON THE STRUCTURE AND THE ELECTRICAL PROPERTIES OF PLASTICIZED PVC MIXTURES. [1961] 12p. (16 figs. omitted) 23 refs.

Order from SLA \$1.60

62-10571

Trans. of Kunststoffe (West Germany) 1959, v. 49, no. 12, p. 679-683.

DESCRIPTORS: \*Polymers, \*Vinyl chlorides, Chlorides, Plastics, Electrical properties, Molecular structure, \*Binders, Electrical effects, Adsorption, Adhesion, \*Plasticizers

On the basis of electrical measurements it is shown that fillers added to plasticized PVC mixtures chiefly absorb plasticizers. In addition, saponification products and other ions are adsorbed by the filler, and (Materials--Plastic, TT, v. 7, no. 10) (over)

1. Title: Fillers  
2. Kreiss, M.

Office of Technical Services

Magat, Michel.  
PREPARATION AND PROPERTIES OF GRAFT  
POLYMERS. Nov 61 [6]p.  
Order from SLA \$1.10

62-20024

Trans. of Kunststoffe (East Germany) 1960, v. 50,  
no. 1, p. 57-59.

DESCRIPTORS: \*Polymers, Preparation, Mechanical  
properties, Polymerization

(Chemistry--Organic, TT, v. 9, no. 10)

62-20024

1. Title: Graft polymers  
I. Magat, M.

Office of Technical Services

Fortun, Egmont.  
CORRECT METHODS OF LAYING PLASTIC FLOOR  
COVERINGS. [1963] 10p (figs. omitted)  
Order from SLA \$1.10

63-18522

Trans. from Kunststoffe (West Germany) 1960  
[v. 50, no. 2].

DESCRIPTORS: \*Floors, \*Plastics, \*Tiles, Foundation  
(Structures), Sheets, Civil engineering, Adhesives.

(Engineering--Civil, TT, v. 10, no. 11)

63-18522

I. Fortun, E.

Office of Technical Services

61-16725

Frielingsdorf, H., Becker, K., and Heiss, R.  
EXPLANATION OF THE DECLINE OF STRENGTH  
IN HEAT-SEALED PLASTIC FILMS. Excerpt from  
dissertation: Investigations of the Mechanical Strength  
of Heat Sealed Plastic Films in Packing Technology.  
(H. Frielingsdorf) Techn[ische] Hochschule, Munich.  
25 Sep 60 [2]p. 8 refs.  
Order from SLA \$2.60

61-16725

Trans. of Kunststoffe (West Germany) 1960, v. 50  
[no. 3] p. 148-154.

DESCRIPTORS: \*Plastic films, Mechanical properties,  
Ethylenes, Polymers, \*Seals, Containers, \*Sealing  
compounds.

Because the union of heat-sealed thermoplastic films  
displays a strength of about 40 to 60% of that of the  
not heat-sealed film on an average, studies were under-  
taken on hard PVC and polyethylene film in order to  
(Materials--Sealants, TT, v. 8, no. 10) (over)

- I. Frielingsdorf, H.
- II. Becker, K.
- III. Heiss, R.
- IV. Title: Investigations ...
- V. Technische Hochschule,  
Munich (West Germany)

Office of Technical Services